

APPROVED BY DRAFTSMAN	O.G. FIG. CLASS	SUBCLASS
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Appl No.: 09/778,516
Applicant(s): Wei-Yu Lo et al.
LAC SHUTTLE VECTORS

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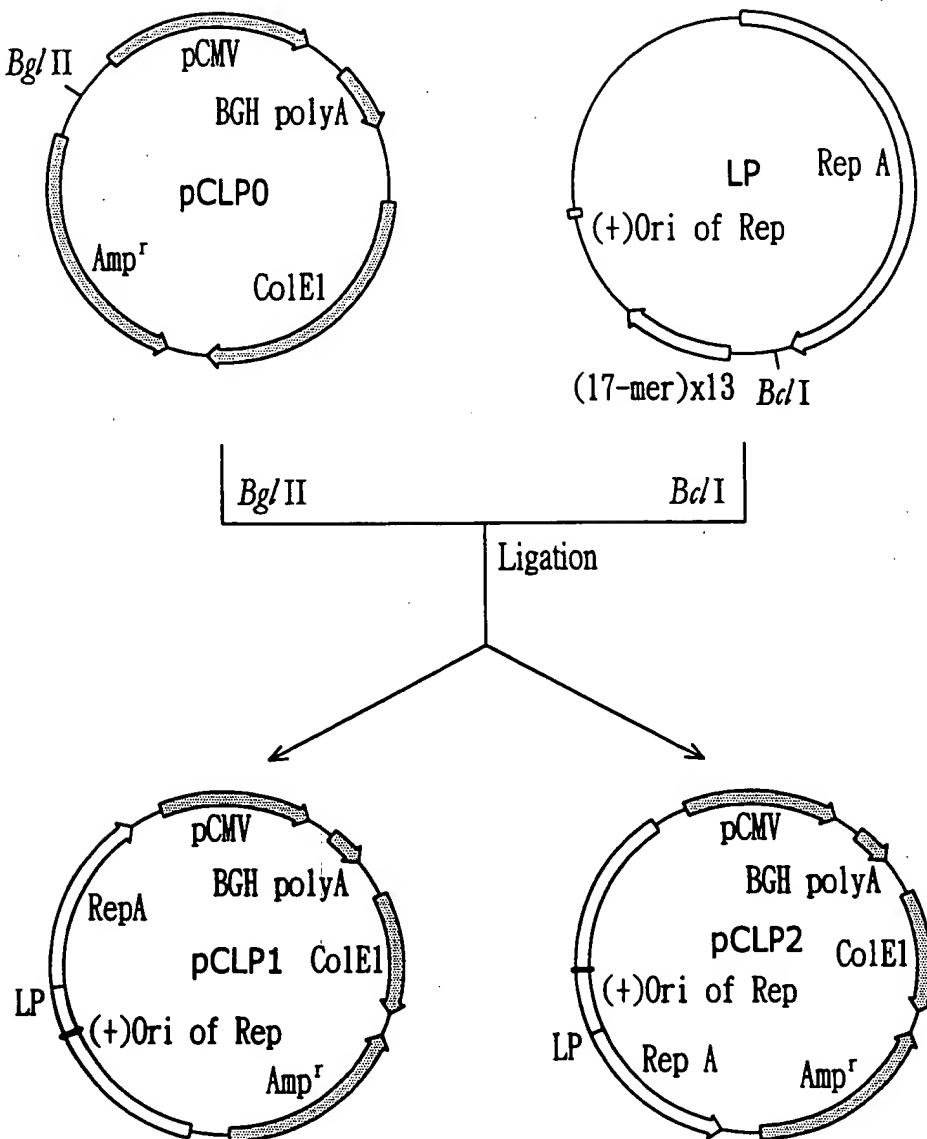


FIG. 1

APPROVED	O.G. FIG.
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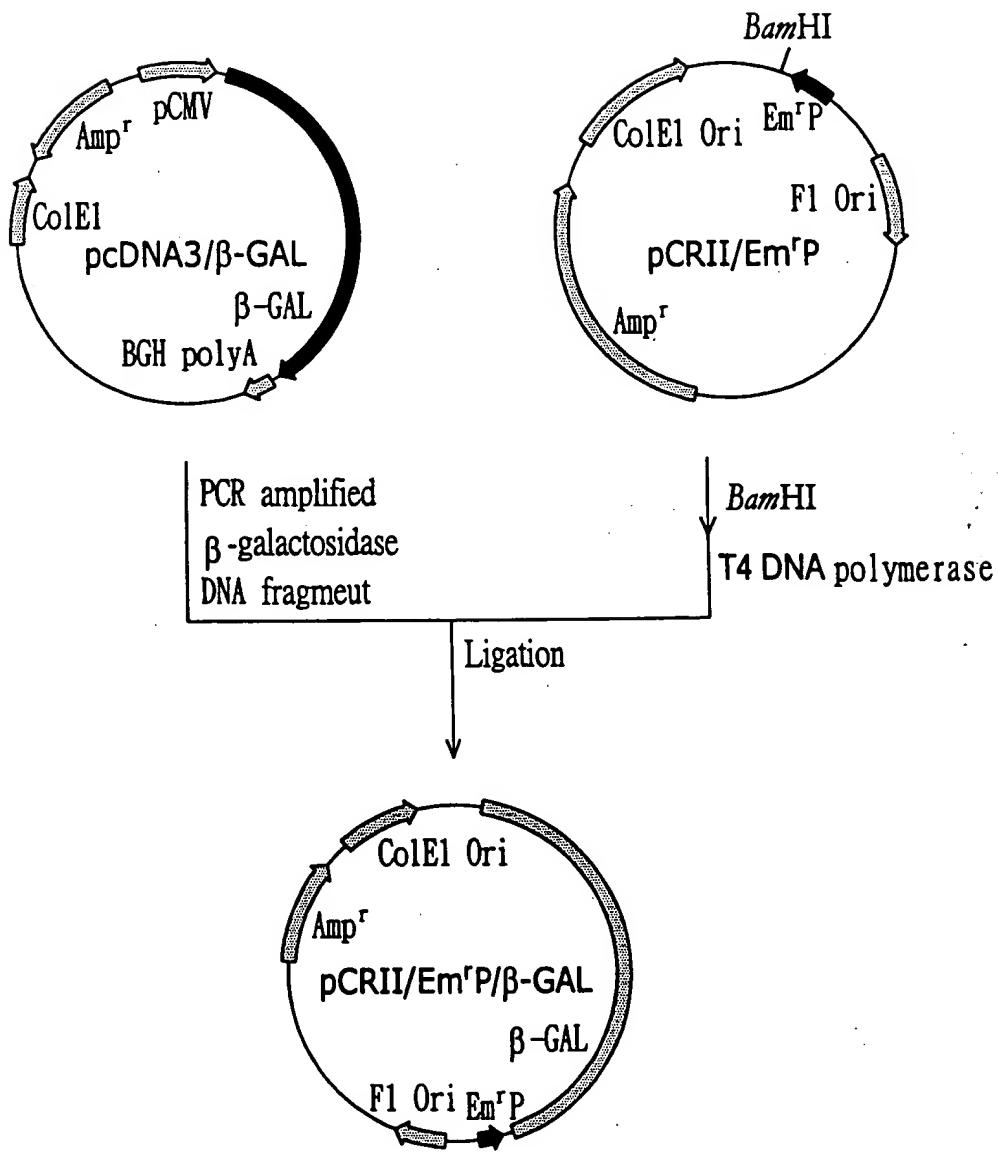


FIG. 2

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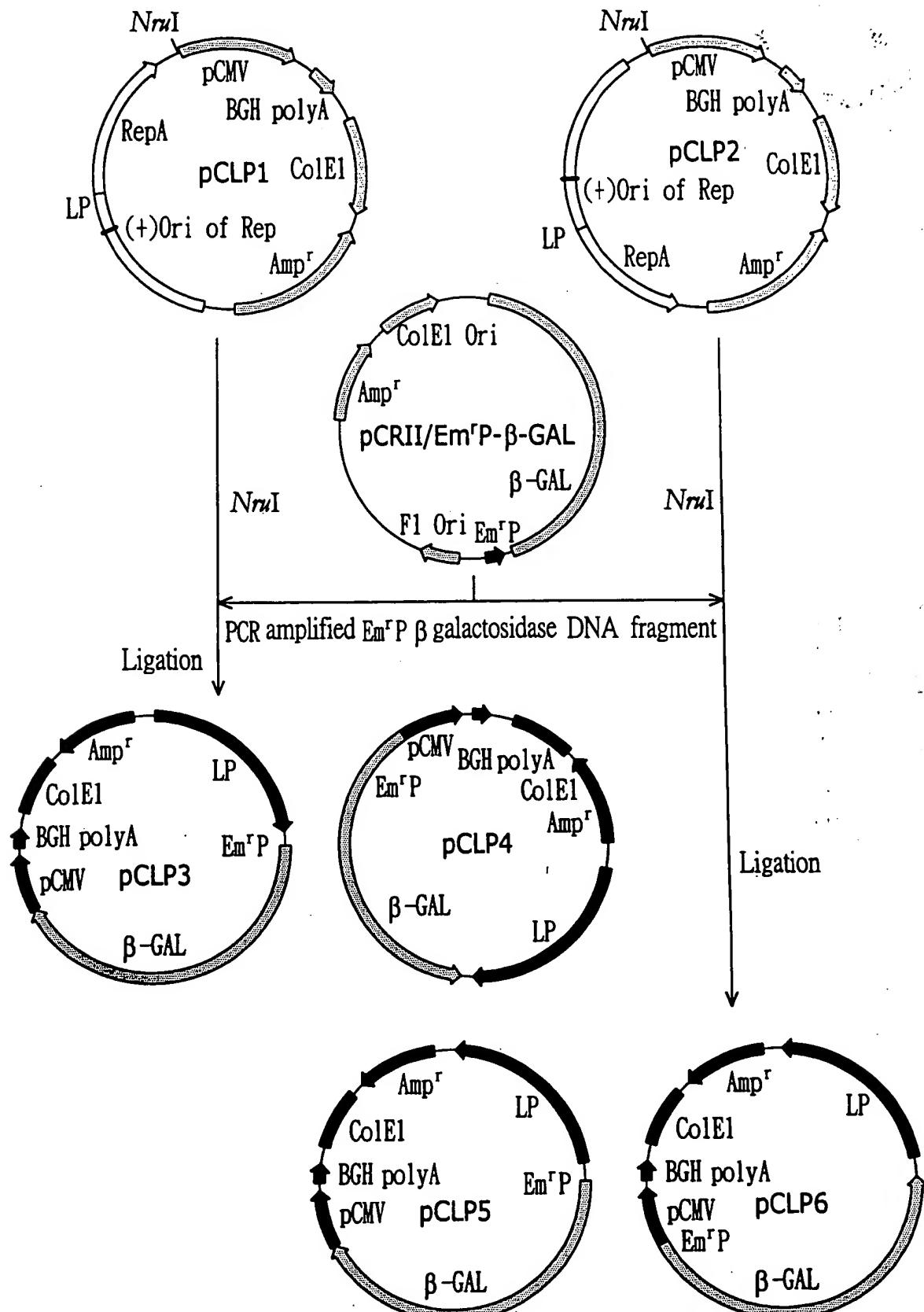


FIG. 3

APPROVED BY DRAFTSMAN	O.G. FIG.
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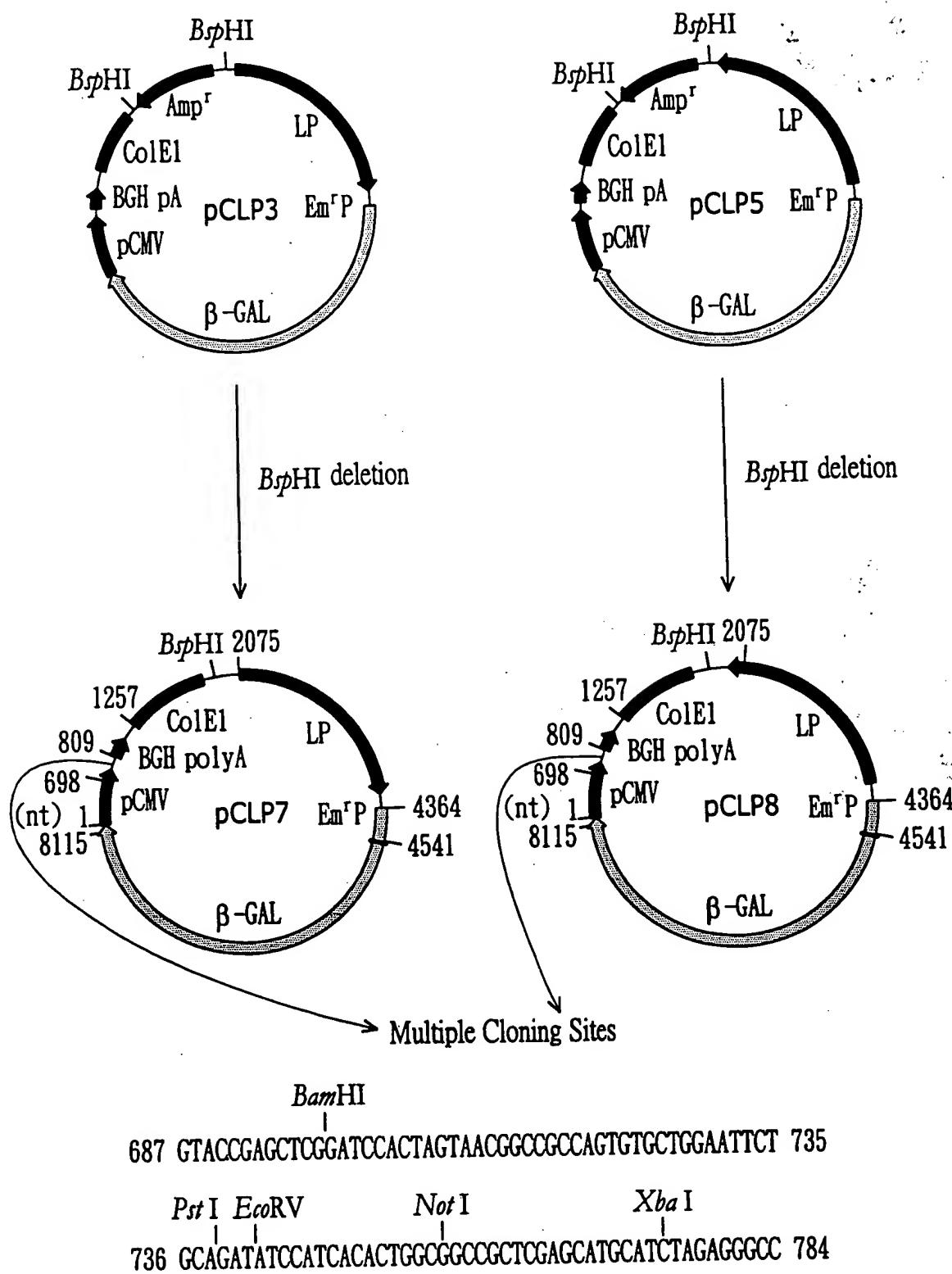


FIG. 4

APPROVED BY	O.G. FIG. CLASS	FIG. SUBCLASS
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10 20 30 40 50 60
 GATGTACGGG CCAGATATAc GCGITGACAT TGATTATTGA CTAGTTATTA ATAGTAATCA

 70 80 90 100 110 120
 ATTACGGGGT CATTAGTICA TAGCCCATAc ATGGAGTCC CGGTTACATA ACTTACGGTA

 130 140 150 160 170 180
 AATGGCCCGC CTGGCTGACC GCCCAACGAC CCCCGCCCAT TGACGTCAAT AATGACGTAT

 190 200 210 220 230 240
 GTTCCCATAG TAACGCCAAT AGGGACTTTC CATTGACGTC AATGGGTGGA CTATTTACGG

 250 260 270 280 290 300
 TAAAATGCC ACCTGGCAGT ACATCAAGTG TATCATATGC CAAGTACGCC CCCTATTGAC

 310 320 330 340 350 360
 GTCAATGACG GTAAATGGCC CGCCTGGCAT TATGCCCAAGT ACATGACCTT ATGGGACTTT

 370 380 390 400 410 420
 CCTACTTGGC AGTACATCTA CGTATTAGTC ATCGCTATTA CCATGGTGAT GCGGTTTGG

 430 440 450 460 470 480
 CAGTACATCA ATGGGCGTGG ATAGCGGTTT GACTCACGGG GATTCCAAG TCTCCACCCC

 490 500 510 520 530 540
 ATTGACGTCA ATGGGAGTTT GTTTGGCAC CAAAATCAAC GGGACTTTCC AAAATGTCGT

 550 560 570 580 590 600
 AACAACTCCG CCCCCATTGAC GCAAATGGGC GGTAGGCGTG TACGGTGGGA GGTCTATATA

 610 620 630 640 650 660
 AGCAGAGCTC TCTGGCTAAC TAGAGAACCC ACTGCTTACT GGCTTATCGA AATTAATACG

 670 680 690 700 710 720
 ACTCACTATA GGGAGACCCA AGCTTGGTAC CGAGCTCGGA TCCACTAGTA ACGGCCGCCA

 730 740 750 760 770 780
 GTGTGCTGGA ATTCTGCAGA TATCCATCAC ACTGGCGGCC GCTCGAGCAT GCATCTAGAG

 790 800 810 820 830 840
 GGCCCTATTc TATAGTGTCA CCTAAATGCT AGAGCTCGCT GATCAGCCTC GACTGTGCCT

 850 860 870 880 890 900
 TCTAGTTGCC AGCCATCTGT TGTTTGCCCC TCCCCCGTGC CTTCCCTGAC CCTGGAAGGT

 910 920 930 940 950 960
 GCCACTCCCA CTGTCCTTTC CTAATAAAAT GAGGAAATTG CATCGCATIG TCTGAGTAGG

 970 980 990 1000 1010 1020
 TGTCAATTCTA TTCTGGGGGG TGGGGTGGGG CAGGACAGCA AGGGGGAGGA TTGGGAAGAC

 1030 1040 1050 1060 1070 1080
 AATAGCAGGC ATGCTGGGGA TGCGGTGGGC TCTATGGCTT CTGAGGCCGA AAGAACCCAGC

 1090 1100 1110 1120 1130 1140
 TGCATTAATG AATCGGCCAA CGCGCGGGGA GAGGCGGTTT GCGTATTGGG CGCTCTCOG

 1150 1160 1170 1180 1190 1200
 CTTCCCTCGCT CACTGACTCG CTGCGCTCGG TCGTTCCGGT CGGGCGAGCG GTATCAGCTC

FIG. 5A

FIG. 5B

FIG. 5C

FIG. 5D

FIG. 5E

FIG. 5F

FIG. 5G

FIG. 5A

APPROVED BY	O.G. FIG. CLASS	SUBCLASS
DRAFTSMAN		

1210 1220 1230 1240 1250 1260
 ACTCAAAGGC GGTAATACGG TTATCCACAG AATCAGGGGA TAACGCAGGA AAGAACATGT

 1270 1280 1290 1300 1310 1320
 GAGCAAAAGG CCAGCAAAAG GCCAGGAACC GTAAAAAGGC CGCGTTGCTG GCGTTTTGCC

 1330 1340 1350 1360 1370 1380
 ATAGGCTCCG CCCCCCTGAC GAGCATCACA AAAATCGACG CTCAAGTCAG AGGTGGCGAA

 1390 1400 1410 1420 1430 1440
 ACCCGACAGG ACTATAAAGA TACCAGGGT TTCCCCCTGG AAGCTCCCTC GTGGCGCTTC

 1450 1460 1470 1480 1490 1500
 CTGTTCCGAC CCTGCCGCTT ACCGGATACC TGTOCGCTT TCTCCCTTCG GGAAGCGTGG

 1510 1520 1530 1540 1550 1560
 CGCTTTCTCA ATGCTCACGC TGTAGGTATC TCAGTTCGGT GTAGGTCGTT CGCTCCAAGC

 1570 1580 1590 1600 1610 1620
 TGGGCTGTGT GCACGAACCC CCCGTTTCAGC CGGACCGCTG CGCCCTTATCC GGTAACATAC

 1630 1640 1650 1660 1670 1680
 GTCTTGAGTC CAACCCGGTA AGACACGACT TATGCCACT GGCAAGCAGCC ACTGGTAACA

 1690 1700 1710 1720 1730 1740
 GGATTAGCAG AGCGAGGTAT GTAGGCGGTG CTACAGAGTT CTTGAAGTGG TGGCTTAAC

 1750 1760 1770 1780 1790 1800
 ACGGCTACAC TAGAAGGACA GTATTTGGTA TCTGCGCTCT GCTGAAGCCA GTTACCTTCG

 1810 1820 1830 1840 1850 1860
 GAAAAAGAGT TGGTAGCTCT TGATCCGGCA AACAAACAC CGCTGGTAGC GGTGGTTTT

 1870 1880 1890 1900 1910 1920
 TTGTTTGCAA GCAGCAGATT ACGCGCAGAA AAAAAGGATC TCAAGAAGAT CCTTTGATCT

 1930 1940 1950 1960 1970 1980
 TTTCTACGGG GTCTGACGCT CAGTGGAACG AAAACTCACG TTAAGGGATT TTGGTCATGA

 1990 2000 2010 2020 2030 2040
 GCGGATACAT ATTTGAATGT ATTTAGAAAA ATAAACAAAT AGGGGTTCCG CGCACATTTC

 2050 2060 2070 2080 2090 2100
 CCCGAAAAGT GCCACCTGAC GTCGACGGAT CGGGAGATCA ACGGTAAATC CGTTGGCATA

 2110 2120 2130 2140 2150 2160
 TCCCTTTTTT GTTGTCAAGCT TGCTGACTTC TGATACAGGT TTTAGCATTAA CTCCAATTAA

 2170 2180 2190 2200 2210 2220
 TTTGGAGTGT AAGTGCACAT TATCATGTAG TGCGCATTAT CATGTAGTGC GCATTATCAT

 2230 2240 2250 2260 2270 2280
 GTAGTGCAGCA TTATCATGTA GTGCGCATTAA TCATGTAGTG CGCATTATCA TGTAGTGCAGC

 2290 2300 2310 2320 2330 2340
 ATTATCATGT AGTGCAGCA TTATCATGTA CATTATCATG TAGTGCAGCAT TATCATGTAG

 2350 2360 2370 2380 2390 2400
 TGCGCACATT ATCATGTAGT GCGCATTATC ATGTAGTGCAG CATTATCATG TAGTGCAGC

FIG. 5B

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2410 2420 2430 2440 2450 2460
 TTACACACAA CATGAAGTTG TGTTTGCTA AACCCATCAA AACCTGCATC AGATTCGCG

 2470 2480 2490 2500 2510 2520
 TTGCTAAAC GTAAGTACT TGCGTCAGTT TGGAACATTG AAAAATAAAAT AAGTTCACTC

 2530 2540 2550 2560 2570 2580
 GCTAGCTCCT TCGAACTTTT TTATTTTTGA ACCTTAATTG TAAAGGCTCT TATTTGCGTT

 2590 2600 2610 2620 2630 2640
 CTAAGCGATT TTAGCTAACAA GTTAGCTATC TAACTGTCTG TCAACGGTAA ATCGACTTAG

 2650 2660 2670 2680 2690 2700
 AGGGGCTTAT TGAGCCTTAC AGGGATATT AGCCCCTCTT GGAGGCTTTA AGGAGTTGAT

 2710 2720 2730 2740 2750 2760
 AGACTAGACA ATACCAAAAG CCTGACGTCT TGGAAAACAA GGCCTTGTGTT TCCCGAGCCC

 2770 2780 2790 2800 2810 2820
 AGCGGCGGCA AGCGTTACGG TCCAGCTGGT TCAGCTGGTC AGTGTGGCTG AAAGCCACGG

 2830 2840 2850 2860 2870 2880
 TTTAAAAAAA GCAGTTCAAGC GGTTTTTGCT GATCTGCTTT TGGGGTTTA AAAACGCAAT

 2890 2900 2910 2920 2930 2940
 TTTTGGCGTT TTCTTCTTAT CTTGATACTA TTAGCAACAA CTAGTTTTT AAAATCAAGC

 2950 2960 2970 2980 2990 3000
 TTGATTAGGC TTAATTGGC TTGTATCCAT TGATTITATA GGCTTTGGT GTATTATTAG

 3010 3020 3030 3040 3050 3060
 GGTTATAAAAT TGGTTGAAAG AAAGACAAAAA TAAAAACCCA CGTGCAAATT CCTAGTTTGG

 3070 3080 3090 3100 3110 3120
 CCGCTCGGAA CACGTGAGTT GATTATCATT TGCGATTAT AGCCTATTCT AGGGGAAAAG

 3130 3140 3150 3160 3170 3180
 CCCTATGATG TCAAGGTAT AAGCTTATTG AAAAGATAG TCAGCTCCCT CACGTGGATA

 3190 3200 3210 3220 3230 3240
 AACTGGAGGA GCTTTTTATG TCAGAAATTG TTGAAGATAA AACTGAAAAT GGCAAAGTTA

 3250 3260 3270 3280 3290 3300
 GACCTGGCG AGAACGGAAG ATTGAAAATG TGCGCTATGC CGAATATTG GCAATCTTAG

 3310 3320 3330 3340 3350 3360
 AATTTAAACG GGCACATGAT GTACGGGGTT GTGGTGAAGT TTTGCGTTT CGTAAGATTG

 3370 3380 3390 3400 3410 3420
 GCGAGCACTT AAAACTTTAT CAAACGTGGT TTGTCATAA ACCTGGTGT CCATTGTGTA

 3430 3440 3450 3460 3470 3480
 ATTGGAGAAG GAGCATGAAA AACTCGAGCC AGTTAAAACA AATTATTGCG GAAGCAGTTG

 3490 3500 3510 3520 3530 3540
 CAAGAGAGCC TAAAGGACGG TTTTTGTTT TAACCTTAAC CGTTAAAAC GCTCATCAG

 3550 3560 3570 3580 3590 3600
 CAGAGGAGTT AAAAGTGTCT TTAAGAGCTT TGACTAAAGC CTTTAATAAG CTAACTCGCT

FIG. 5C

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DRAFTSMAN	CLASS SUBCLASS

3610 3620 3630 3640 3650 3660
 ATAAAAAAAGT GACTAAAAAT TTATTGGGTT ATTACGTTC AACGAAATT ACCGTTAATG

 3670 3680 3690 3700 3710 3720
 ACAAGACGG GTCATATAAT CAACACTTGC ATGTGTTGCT GTTGTAAA TCAAGTTATT

 3730 3740 3750 3760 3770 3780
 TTAAGAATTTC AAATAATTAT TTAGCACAAG CAGAATGGC AAAATTATGG CAAAAGCCT

 3790 3800 3810 3820 3830 3840
 TGAAAGTTGA TTATGAGCCT GTGGTGCATG TGCAGGCTGT TAAAGCTAAC AAACGTAAAG

 3850 3860 3870 3880 3890 3900
 GAACTGACTC TTTGCAAGCT AGTGCCGAAG AACCGGOGAA ATACGAGGTA AAATCAGCTG

 3910 3920 3930 3940 3950 3960
 ATTATATGAC GGCTGATGAT GAGCGTAATT TGGTGGTGAT TAAAAATTG GAGTATGCCT

 3970 3980 3990 4000 4010 4020
 TAGCTGGAAC ACGACAAATC AGCTATGGTG GATTATTAAA GCAAATTAAG CAAGATTG

 4030 4040 4050 4060 4070 4080
 AACTTGAAGA TGTTGAGAAT GGTGATTTAG TTCATGTTGG CGATGAAGAT TACACCAAAG

 4090 4100 4110 4120 4130 4140
 AGCAAATGGA AGCTGCCGAA GAAGTTGTCG CAAAATGGGAA TTTAATAAA CAAAATTATT

 4150 4160 4170 4180 4190 4200
 TTATTTGGTA AAGAGAATGT CAGGATATGA TCTCCCGATC CCCTATGGTC GACTCTCAGT

 4210 4220 4230 4240 4250 4260
 ACAATCTGCT CTGATGCCGC ATAGTTAACG CAGTATCTGC TCCCTGCTTG TGTGTTGGAG

 4270 4280 4290 4300 4310 4320
 GTGCTGAGT AGTGCAGGAG CAAAATTAA GCTACAAACAA GGCAAGGTT GACCGACAAT

 4330 4340 4350 4360 4370 4380
 TGCATGAAGA ATCTGCTTAG GGTTAGGCGT TTGCGCTGC TTCGTTAGAA GCAAACAAAG

 4390 4400 4410 4420 4430 4440
 AGTGTGTTGA GTAGTGCAGT ATCTTAAAT TTTGTATAAT AGGAATTGAA GTTAAATTAG

 4450 4460 4470 4480 4490 4500
 ATGCTAAAAA TTTGTAATTA AGAAGGAGTG ATTACATGAT TGGCAGCCAG TCTCCGGCA

 4510 4520 4530 4540 4550 4560
 ATTAATGAAC TTGGACATGG TTGACGACCC GGTCTTGCA AGCGAATTC GACCACACTG

 4570 4580 4590 4600 4610 4620
 CGGGCCGTTA CTAGGGTATC GATCCGATAA AAAGTTAGGC GACGGCTTG CCCTGGTGCC

 4630 4640 4650 4660 4670 4680
 AGCAGACGGT AAGGTCTACG CGCCATTTCG CGGTACTGTC CGCCAGCTGG CCAAGACCCG

 4690 4700 4710 4720 4730 4740
 GCACTCGATC GTCTGGAAA ATGAACATGG GGTCTGGTC TTGATTCAAC TTGGCCTGGG

 4750 4760 4770 4780 4790 4800
 CACGGTCAAAT TAAACGGGA CTGGCTTGCT CAGCTATGTT GAAGAGGGCA GCCAGGTAGA

FIG. 5D

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DRAFTSMAN	

4810 4820 4830 4840 4850 4860
 AGCGGCCAG CAGATCCTGG AATTCTGGGA CCCGGCGATC AAGCAGGCCA AGCTGGACGA

 4870 4880 4890 4900 4910 4920
 CACGGTAATC GTGACCGTCA TCAACAGCGA AACTTTACA AATAGCCAGA TGCTCTTGCC

 4930 4940 4950 4960 4970 4980
 GATCGGCCAC AGCGTCCAAG CCCTGGATGA TGTATTCAAG TTAGAAGGGA AGAATTAGAA

 4990 5000 5010 5020 5030 5040
 AATGAGCAAT AAGTTAGTAA AAGAAAAAAG AGTTGACCAAG GCAGACCTGG CCTGGCTGAC

 5050 5060 5070 5080 5090 5100
 TGACCCGGAA GTTTACGAAG TCAATACAAT TCCCCCGCAC TCCGACCATG AGTCCTTCCA

 5110 5120 5130 5140 5150 5160
 AAGCCAGGAA GAACTGGAGG AGGGCAAGTC CAGTTTAGTG CAGTCCTGG ACAGGGACTG

 5170 5180 5190 5200 5210 5220
 GCTGATTGAC TACGCTGAAA ACGGCCAGGG ACCAGTCAAC TTCTATGCAG AAGACTTTGA

 5230 5240 5250 5260 5270 5280
 CGATAGCAAT TTAAAGTCAG TCAAAGTACC CGGCAACTG GAACTGCAAG GCTTTGCCA

 5290 5300 5310 5320 5330 5340
 GCCCCAGTAT GTCAACGTCC AATATCCATG GGACGGCACT GAGGAGATT TCCCCCCCCA

 5350 5360 5370 5380 5390 5400
 AATTCCAAGC AAAAATCCGC TCGCTCTTA TGTCAGATAAC TTTGACCTGG ATGAAGCTTT

 5410 5420 5430 5440 5450 5460
 CTGGGACAAG GAAGTCAGCT TGAAGTTGAG CGGGGCGGCA ACAGCCATCT ATGTCTGGCT

 5470 5480 5490 5500 5510 5520
 GAAACGCCAC TTGTCGGCT ACGGGGAAGA CTCCCTTACCC CCAAGCGAGT TTATGGTTAC

 5530 5540 5550 5560 5570 5580
 CAAGTTCCCTC AAGAAAGAAA ATAACCGCCT GGCACTGGCT CTCTACAAGT ATTCTCCGC

 5590 5600 5610 5620 5630 5640
 CTCTGGCTG GAAGACCAGG ACTTCTGGCG CATGTCTGGT TTGTTCAAGAT CAGTGAATCT

 5650 5660 5670 5680 5690 5700
 TCAGGCCAAG CCGCGCTGTC ACTTGGAGGA CCTTAAGCTT ACGGCCAGCT TGACCGATAA

 5710 5720 5730 5740 5750 5760
 CTACCAAAAA GGAAAGCTGG AAGTCGAAGC CAATATTGCC TACCGCTTGC CAAATGCCAG

 5770 5780 5790 5800 5810 5820
 CTTTAAGCTG GAAGTGGGG ATAGTGAAGG TGACTTGGTT GCTGAAAAGC TGGGCCAAT

 5830 5840 5850 5860 5870 5880
 CAGCTGGAAT TCACTCTGGC TGATTGCCA GTAGCTGCC GGAGCGCGGA

 5890 5900 5910 5920 5930 5940
 AAAGCCTAAC CTTTACCAAG TCCGCCCTGTA TTTATACCAAG GCAGGGAGCC TCTTACAGAGGT

 5950 5960 5970 5980 5990 6000
 TAGCCGGCAG GAAGTGGGTT TCCGCAACTT TGAACAAAAA GACGGGATTA TGTACCTTAA

FIG. 5E

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DRAFTSMAN	

6010 6020 6030 6040 6050 6060
 CGGCCAGCGG ATCGTCTTCAGGGGGCCAA CCGGCACGAA TTTGACAGTA AGTTGGGTGG

 6070 6080 6090 6100 6110 6120
 GGCTATCACG GAAGAGGATA TGATCTGGGA CATCAAGAGACC ATGAAGCGAA GCAACATCAA

 6130 6140 6150 6160 6170 6180
 TGCTGTCCGC TGCTCTCACT ACCCGAACCA GTCCCTCTT TACCCGGCTCT GTGACAAGTA

 6190 6200 6210 6220 6230 6240
 CGGCCTTTAC GTCATTGATG AAGCTAACCT GGAAAGCCAC GGCACCTGGG AAAAAGTGGG

 6250 6260 6270 6280 6290 6300
 CGGGCAGGAA GATCCTAGCT TCAATGTTCC AGGCGATGAC CAGCATTGGC TGGGAGCCAG

 6310 6320 6330 6340 6350 6360
 CTTATCCCGG GTGAAGAACAA TGATGGCTCG GGACAAGAAC CATGCTTCAA TCCTAACATCG

 6370 6380 6390 6400 6410 6420
 GTCTTTAGGC AATGAGTCCTT ACGCCGGCAC TGTCTTIGCC CAAATGGCTG ATTACGTCCG

 6430 6440 6450 6460 6470 6480
 GAAGGCTGAT CCGACCCGGG TTCAGCACTA TGAAGGGTG ACCCACAAACC GGAAGTTIGA

 6490 6500 6510 6520 6530 6540
 CGACGCCACC CAGATTGAAA GCCGGATGTA TGCTCCGGCC AAGGTAATTG AAGAATACTT

 6550 6560 6570 6580 6590 6600
 GACCAATAAA CCAGCCAAGC CATTATCTC AGTTGAATAC GCTCACGCCA TGGGCAACTC

 6610 6620 6630 6640 6650 6660
 CGTCGGTGAC CTGGCCGCCT ACACGGCCCT GGAAAAATAC CCCCACTTACCC AGGGCGGGCTT

 6670 6680 6690 6700 6710 6720
 CATCTGGGAC TGGATTGACC AAGGACTGGA AAAAGACGGG CACCTGCTTT ATGGGGCGA

 6730 6740 6750 6760 6770 6780
 CTTCGATGAC CGGCCAACCG ACTATGAATT CTGCGGGAAC GGCTGGTCT TTGCTGACCG

 6790 6800 6810 6820 6830 6840
 GACTGAATCG CCGAAACTGG CTAATGTCAA GGCCCTTTAC GCCAACCTTA AGTTAGAAAGT

 6850 6860 6870 6880 6890 6900
 AAAAGATGGG CAGCTCTTCC TCAAAAACGA CAATTATTT ACCAACAGCT CATCTTACTA

 6910 6920 6930 6940 6950 6960
 CTTCCTGACT AGTCTTTGG TCGATGGCAA GTTGACCTAC CAGAGCCGGC CTCTGACCTT

 6970 6980 6990 7000 7010 7020
 TGGCCTGGAG CCTGGCGAAT CCGGGACCTT TGCCCTGCCT TGGCCGGAAG TCGCTGATGA

 7030 7040 7050 7060 7070 7080
 AAAAGGGGAG GTCGTCTACC GGGTAACGGC CCACTAAAAA GAAGACTTGC CTTGGGCGGA

 7090 7100 7110 7120 7130 7140
 TGAGGGCTTC ACTGTGGCTG AAGCAGAAGA AGTAGCTCAA AAGCTGCOGG AATTAAAGCC

 7150 7160 7170 7180 7190 7200
 GGAAGGGCGG CCAGATTTAG TTGATTCCGA CTACAAACCTA GGCTGAAAG GAAATAACTT

FIG. 5F

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7210 7220 7230 7240 7250 7260
 CCAAATTCTC TCTCCAAGG TCAAGGGCTG GCGGGTTTC CTCAAGTATG CCGGTAGGGA

 7270 7280 7290 7300 7310 7320
 ATACTTGAAG CGGCTGCGG AATTTACCTT CTGGGGGCC CTGACGGACA ACGACCGGGG

 7330 7340 7350 7360 7370 7380
 AGCTGGTTAC GGCTATGATC TGCCCGGTG GGAAAATGCC GGCAAGTATG CCCGCTTGAA

 7390 7400 7410 7420 7430 7440
 AGACATCAGC TGCGAGGTCA AGGAAGACTC CGTTTGGTC AAGACTGCCT TTACGTTGCC

 7450 7460 7470 7480 7490 7500
 TGTCGCCCTTA AAGGGTGATT TAACCGTGAC CTATGAAGTC GATGGACGGG GCAAGATTGC

 7510 7520 7530 7540 7550 7560
 TGTAACAGCT GACTTCCCAG GCGCGGAAGA AGCTGGTCTC TTGCCAGCCT TTGGCTTGAA

 7570 7580 7590 7600 7610 7620
 CCTGGCCCTG CCAAAAGAAC TGACCGATTA CCGCTACTAT GGTCTGGGAC CTAATGAGAG

 7630 7640 7650 7660 7670 7680
 CTACCCAGAC CGCTTGGAAAG GTAATTACCT GGGCATCTAC CAGGGAGOGG TAAAAAAAGAA

 7690 7700 7710 7720 7730 7740
 CTTTAGCCCCA TATCGTCGGC AGGAAACGGG CAACCGGAGC AAGGTTGCT GGTACCAGCT

 7750 7760 7770 7780 7790 7800
 CTTTGATGAA AAGGGGGCCT TGGAATTAC GGCAATGGG GCAGACTTGA ACTTGTCTGC

 7810 7820 7830 7840 7850 7860
 TTGCCATAT TCTGCCGCC AAATTGAAGC AGCGGACAC GCTTTGAAC TGACTAACAA

 7870 7880 7890 7900 7910 7920
 TTACACTTGG GTTAGAGCCT TAAGCGCCCCA GATGGGGTC GGCGGGGATG ACTCCTGGGG

 7930 7940 7950 7960 7970 7980
 GCAGAAGGTC CACCCGGAAT TCTGCCTGGA TGCTAAAAA GCCCGCCAGC TTCGCCTGGT

 7990 8000 8010 8020 8030 8040
 GATTCAAGCC CTTTACTAA AATAAATGCT ACAATTGACT TAACAGGATG AAATTTAGT

 8050 8060 8070 8080 8090 8100
 AAAAGCAAAG CGAGTGAGGA AGATGGCAAC GATCAGAGAA GTGCCAAGGC AGCCGGCGTG

 8110 8120 8130 8140 8150 8160
 TCGCTAGCGA CGGTC.....

FIG. 5G

APPROVED BY DRAFTSMAN	O.G. FIG.
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10	20	30	40	50	60	
GATGTACGGG CCAGATATAC GCGTTGACAT TGATTATTGA CTAGTTATTA ATAGTAATCA						
70	80	90	100	110	120	
ATTACGGGGT CATTAGTICA TAGCCCATAT ATGGAGTTC GCGTTACATA ACTTACGGTA						
130	140	150	160	170	180	
AATGGCCCGC CTGGCTGACC GCCCAACGAC CCCCGCCAT TGACGTCAAT AATGACGTAT						
190	200	210	220	230	240	
GTTCCCATAG TAACGCCAAT AGGGACTTTC CATTGACGTC AATGGGTGGA CTATTTACGG						
250	260	270	280	290	300	
TAAACTGCCCT ACTTGGCAGT ACATCAAGTG TATCATATGC CAAGTACGCC CCCTATTGAC						
310	320	330	340	350	360	
GTCAATGACG GTAAATGCC CGCCTGGCAT TATGCCCACT ACATGACCTT ATGGGACTTT						
370	380	390	400	410	420	
CCTACTTGGC AGTACATCTA CGTATTAGTC ATCGCTATTA CCATGGTGAT GCGGTTTGG						
430	440	450	460	470	480	
CAGTACATCA ATGGGCGTGG ATAGCGGTTT GACTCACGGG GATTCCAAG TCTCCACCCC						
490	500	510	520	530	540	FIG. 6A
ATTGACGTCA ATGGGAGTTT GTTTGGCAC CAAAATCAAC GGGACTTTCC AAAATGTCGT						
550	560	570	580	590	600	
AACAACTCCG CCCCATGAC GCAAATGGGC GGTAGGCGTG TACGGTGGGA GGTCTATATA						
610	620	630	640	650	660	FIG. 6B
AGCAGAGCTC TCTGGCTAAC TAGAGAACCC ACTGCTTACT GGCTTATCGA AATTAATACG						
670	680	690	700	710	720	
ACTCACTATA GGGAGACCCA AGCTTGGTAC CGAGCTCGGA TCCACTAGTA ACGGCCGCCA						FIG. 6C
730	740	750	760	770	780	
GTGTGCTGGA ATTCTGCAGA TATCCATCAC ACTGGCGGCC GCTCGAGCAT GCATCTAGAG						
790	800	810	820	830	840	FIG. 6D
GGCCCTATTIC TATAGTGTCA CCTAAATGCT AGAGCTCGCT GATCAGCCIC GACTGTGCCT						
850	860	870	880	890	900	
TCTAGTTGCC AGCCATCTGT TGTGTTGCCCT TCCCCCGTGC CTTCCCTTGAC CCTGGAAGGT						
910	920	930	940	950	960	FIG. 6E
GCCACTCCCA CTGTCCTTTC CTAATAAAAT GAGGAAATTG CATCGCATTG TCTGAGTAGG						
970	980	990	1000	1010	1020	
TGTCAATTCTA TTCTGGGGGG TGGGGTGGGG CAGGACAGCA AGGGGGAGGA TTGGGAAGAC						
1030	1040	1050	1060	1070	1080	FIG. 6F
AATAGCAGGC ATGCTGGGGA TGCGGTGGGC TCTATGGCTT CTGAGGCCGA AAGAACCCAGC						
1090	1100	1110	1120	1130	1140	
TGCATTAATG AATCGGCCAA CGCGCGGGGA GAGGCGGTTT GCGTATTGGG CGCTCTCCG						FIG. 6G
1150	1160	1170	1180	1190	1200	
CTTCCTCGCT CACTGACTCG CTGCGCTCGG TCGTTGGCT GCGGCGAGCG GTATCAGCTC						

FIG. 6A

APPROVED BY	O.G. FIG. CLASS	SUBCLASS
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1210 1220 1230 1240 1250 1260
 ACTCAAAGGC GGTAATACGG TTATCCACAG AATCAGGGGA TAACCGAGGA AAGAACATGT

 1270 1280 1290 1300 1310 1320
 GAGCAAAAGG CCAGCAAAAG GCCAGGAACC GTAAAAAAGGC CGCGTTGCTG GCGTTTTTCC

 1330 1340 1350 1360 1370 1380
 ATAGGCTCCG CCCCCCTGAC GAGCATCAC AAAATGACG CTCAAGTCAG AGGTGGCGAA

 1390 1400 1410 1420 1430 1440
 ACCCGACAGG ACTATAAAGA TACCAGGCGT TTCCCCCTGG AAGCTCCCTC GTGCGCTCTC

 1450 1460 1470 1480 1490 1500
 CTGTTCCGAC CCTGCCGCTT ACCGGATACC TGTCCGCTT TCTCCCTTCG GGAAGCGTGG

 1510 1520 1530 1540 1550 1560
 CGCTTCTCA ATGCTCACGC TGTAGGTATC TCAGTTGGT GTAGGTCGTT CGCTCCAAGC

 1570 1580 1590 1600 1610 1620
 TGGGCTGTGT GCACGAACCC CCCGTTCAAGC CGGACCGCTG CGCCTTATCC GGTAACTATC

 1630 1640 1650 1660 1670 1680
 GTCTTGAGTC CAACCCGGTA AGACACGACT TATGCCACT GGCAGCAGCC ACTGGTAACA

 1690 1700 1710 1720 1730 1740
 GGATTAGCAG AGCGAGGTAT GTAGGCGGTG CTACAGAGTT CTTGAAGTGG TGGCCTAACT

 1750 1760 1770 1780 1790 1800
 ACGGCTACAC TAGAAGGACA GTATTTGGTA TCTGCGCTCT GCTGAAGCCA GTTACCTTCG

 1810 1820 1830 1840 1850 1860
 GAAAAAGAGT TGGTAGCTCT TGATCCGGCA AACAAACAC CGCTGGTAGC GGTGGTTTTT

 1870 1880 1890 1900 1910 1920
 TTGTTTGCAA GCAGCAGATT ACGCCGAGAA AAAAAGGATC TCAAGAAGAT CCTTGATCT

 1930 1940 1950 1960 1970 1980
 TTTCTACGGG GTCTGACGCT CAGTGGAACG AAAACTCACG TTAAGGGATT TTGGTCATGA

 1990 2000 2010 2020 2030 2040
 GCGGATACAT ATTTGAATGT ATTTAGAAAA ATAACAAAT AGGGGTTCCG CGCACATTC

 2050 2060 2070 2080 2090 2100
 CCCGAAAAGT GCCACCTGAC GTCGACGGAT CGGGAGATCA TATCTGACA TTCTCTTAC

 2110 2120 2130 2140 2150 2160
 CAAATAAAAT AATTTGTTT ATTAAATCC CATTTGOGA CAACTCTTC CGCAGCTTCC

 2170 2180 2190 2200 2210 2220
 ATTTGCTCTT TGGTGTAAATC TTCATGCCA ACATGAACTA AATCACCATT CTCAACATCT

 2230 2240 2250 2260 2270 2280
 TCAAGTTTCA AATCTTGCTT AATTTGCTTT AATAATCCAC CATAGCTGAT TTGTCGTGTT

 2290 2300 2310 2320 2330 2340
 CCAGCTAAGG CATACTCCAA ATTTTAATC ACCACCAAAT TACGCTCATC ATCAGCCGTC

 2350 2360 2370 2380 2390 2400
 ATATAATCAG CTGATTTTAC CTCGTATTTG GCCGTTCTT OGGCACTAGC TTGCAAAGAG

FIG. 6B

APPROVED BY	O.G. FIG. CLASS	SUBCLASS
DRAFTSMAN		

2410 2420 2430 2440 2450 2460
 TCAGTTCTT TACGTTTGGT AGCTTTAACCA GCCTGCACAT GCACCACAGG CTCATAATCA

 2470 2480 2490 2500 2510 2520
 ACTTTCAAGG CTTTTGCCA TAATTTGCCA CATTCTGCTT GTGCTAAATA ATTATTTGAA

 2530 2540 2550 2560 2570 2580
 TTCTTAAAAT AACTTGTATTT TACAAACAGC AACACATGCA AGTGTGATT ATATGACCCG

 2590 2600 2610 2620 2630 2640
 TCTTGTTCAT TAACGGTAAT TTCCCGTTGAA CGTAAATAAC CCAATAAAATT TTTAGTCACT

 2650 2660 2670 2680 2690 2700
 TTTTTATAGC GAGTTAGCTT ATTAAAGGCT TTAGTCAAAG CTCTTAAAGA CACTTTAAC

 2710 2720 2730 2740 2750 2760
 TCCCTCTGCTG AATGAGCGTT TTTAACGGTT AAAGTTAAAA ACAAAAACCG TCCTTTAGGC

 2770 2780 2790 2800 2810 2820
 TCTCTTGCAA CTGCTTCGC AATAATTGT TTTAACTGGC TCGAGTTTTT CATGCTCCCT

 2830 2840 2850 2860 2870 2880
 CTCCAATTAC ACAATGGACA CAATCGTTA TGACAAAACC ACGTTTGATA AAGTTTTAAG

 2890 2900 2910 2920 2930 2940
 TGCTCGCCAA TCTTACGAAA ACGCAAAACT TCACCACAAAC CCCGTACATC ATGTGCCGT

 2950 2960 2970 2980 2990 3000
 TTAAATTCTA AGATTGCCAA ATATTCGGCA TAGCGCACAT TTTCAATCTT CCGTTCTCGC

 3010 3020 3030 3040 3050 3060
 CAAGGTCTAA CTTTGCATT TTCAGTTTA TCTTCAAAAAA TTTCTGACAT AAAAAGCTCC

 3070 3080 3090 3100 3110 3120
 TCCAGTTTAT CCACGTGAAG GAGCTGACTA TCTTTTCAA TAAGCTTATA ACCTTGACAT

 3130 3140 3150 3160 3170 3180
 CATAGGGCTT TTCCCCTAGA ATAGGCTATA AATCGCAAAT GATAATCAAC TCACGTGTT

 3190 3200 3210 3220 3230 3240
 CGAGCGGCCA AACTAGGAAT TTGCACGTGG GTTTTATIT TGCTTTCTT TCAACCAATT

 3250 3260 3270 3280 3290 3300
 TATAACCCTA ATAATACACC AAAAGCCTAT AAAATCAATG GATACAAGCC CAATTAAGCC

 3310 3320 3330 3340 3350 3360
 TAATCAAGCT TGATTTAAA AAACTAGTTG TTGCTAATAG TATCAAGATA AGAAGAAAAC

 3370 3380 3390 3400 3410 3420
 GCCAAAAATT GCGTTTTAA ACCCCAAAAA GCAGATCAGC AAAAACCGCT GAACTGCTT

 3430 3440 3450 3460 3470 3480
 TTTTAAACCG TGGCTTCAG CCACACTGAC CAGCTGAACC AGCTGGACCG TAACGGCTTGC

 3490 3500 3510 3520 3530 3540
 CGCCGCTGGG CTCGGAAAAA CAAGGGCTTG TTTTCCAAGA CGTCAGGCTT TTGGTATTGT

 3550 3560 3570 3580 3590 3600
 CTAGTCTATC AACTCCTTAA AGCCTCCAAG AGGGCTAAT ATCGCCTGTA AGGCTCAATA

FIG. 6C

APPROVED BY	O.G. FIG.
CLASS	SUBCLASS
DRAFTSMAN	

3610 3620 3630 3640 3650 3660
 AGCCCCCTCTA AGTCGATTTA CCGTTGACAG ACAGTTAGAT AGCTAACTGT TAGCTAAAAT

 3670 3680 3690 3700 3710 3720
 CGCTTAGAAC GCAAATAAGA GCCTTTAAAA TTAACGTICA AAAATAAAAA AGTTCGAAGG

 3730 3740 3750 3760 3770 3780
 AGCTAGCGAC TGAACATTATT TATTTTTGAA TGTTCCAAAC TGACGCAAGT CAGTTACGTT

 3790 3800 3810 3820 3830 3840
 TGAGCAACGC GAAATCTGAT GCAGGTTTTG ATGGGTTTAG CACAACACAA CTTCATGTTG

 3850 3860 3870 3880 3890 3900
 TGTGTAAGTG CGCACTACAT GATAATGCGC ACTACATGAT AATGCGCACT ACATGATAAT

 3910 3920 3930 3940 3950 3960
 GTGCGCACTA CATGATAATG CGCACTACAT GATAATGTAC ATGATAATGT GCGCACTACA

 3970 3980 3990 4000 4010 4020
 TGATAATGCG CACTACATGA TAATGCGCAC TACATGATAA TGCCCACTAC ATGATAATGC

 4030 4040 4050 4060 4070 4080
 GCACTACATG ATAATGCGCA CTACATGATA ATGCGCACTA CATGATAATG TGCACATTACA

 4090 4100 4110 4120 4130 4140
 CTCCAATAA ATTGGAGTAA TGCTAAAACC TGTATCAGAA GTCAGCAAGC TGACAACAAA

 4150 4160 4170 4180 4190 4200
 AAAGGGATAT GCCAACGGAT TTACCGTTGA TCTCCCGATC CCCTATGGTC GACTCTCAGT

 4210 4220 4230 4240 4250 4260
 ACAATCTGCT CTGATGCCGC ATAGTTAACG CAGTATCTGC TCCCTGCTTG TGTGTTGGAG

 4270 4280 4290 4300 4310 4320
 GTCGCTGAGT AGTGCAGCAG CAAAATTAA GCTACAACAA GGCAAGGCTT GACCGACAAT

 4330 4340 4350 4360 4370 4380
 TGCATGAAGA ATCTGCTTAG GGTTAGGCGT TTTGCGCTGC TTCGTTAGAA GCAAACTAAG

 4390 4400 4410 4420 4430 4440
 AGTGTGTTGA GTAGTGCAGT ATCTTAAAAT TTTGTATAAT AGGAATTGAA GTTAAATTAG

 4450 4460 4470 4480 4490 4500
 ATGCTAAAAA TTTGTAAATTA AGAAGGAGTG ATTACATGAT TGGCAGCCAG TCTCCCCGCA

 4510 4520 4530 4540 4550 4560
 ATTAATGAAC TTGGACATGG TTGACGACCC GGTCTTGCA AGCCGAATTG GACCACACTG

 4570 4580 4590 4600 4610 4620
 GCGGCCGTTA CTAGGGTATC GATCCGATAA AAAGTTAGGC GACGGCTTGT CCCCTGGTGCC

 4630 4640 4650 4660 4670 4680
 AGCAGACGGT AAGGTCTACG CGCCATTGTC CGGTACTGTC CGCCAGCTGG CCAAGACCG

 4690 4700 4710 4720 4730 4740
 GCACTOGATC GTCCCTGAAA ATGAACATGG GGTCTTGGTC TTGATTCAAC TTGGCCTGGG

 4750 4760 4770 4780 4790 4800
 CACGGTCAAA TTAAACGGGA CTGGCTTGT CAGCTATGTT GAAGAGGGCA GCCAGGTAGA

FIG. 6D

APPROVED BY	O.G. FIG. CLASS	SUBCLASS
DRAFTSMAN		

4810 4820 4830 4840 4850 4860
 AGCCGGCCAG CAGATCCTGG AATTCTGGGAA CCCGGCGATC AAGCAGGCCA AGCTGGACGA

 4870 4880 4890 4900 4910 4920
 CACGGTAATC GTGACCGTCA TCAACAGCGA AACTTTACA AATAGCCAGA TGCTCTGCC

 4930 4940 4950 4960 4970 4980
 GATCGGCCAC AGCGTCCAAG CCCTGGATGA TGTATTCAAG TTAGAAGGGGAGAAGATTAGAA

 4990 5000 5010 5020 5030 5040
 AATGAGCAAT AAGTTAGTAA AAGAAAAAAG AGTTGACCAG GCAGACCTGG CCTGGCTGAC

 5050 5060 5070 5080 5090 5100
 TGACCCGGAA GTTTACGAAG TCAATACAAT TCCCCCGCAC TCCGACCATG AGTCCTTCCA

 5110 5120 5130 5140 5150 5160
 AAGCCAGGAA GAACTGGAGG AGGGCAAGTC CAGTTTAGTG CAGTCCCTGG ACGGGGACTG

 5170 5180 5190 5200 5210 5220
 GCTGATTGAC TACCGCTGAAA ACCGCCAGGG ACCAGTCAAC TTCTATGCAG AAGACTTTGA

 5230 5240 5250 5260 5270 5280
 CGATAGCAAT TTTAACGTCA TCAAAGTACC CGGCAACCTG GAACTGCAAG GCTTTGGCCA

 5290 5300 5310 5320 5330 5340
 GCCCCAGTAT GTCAACGTCC AATATCCATG GGACGGCAGT GAGGAGATTG TCCCGCCCCA

 5350 5360 5370 5380 5390 5400
 AATTCCAAGC AAAATCCGC TCGCTCTTA TGTCAGATAC TTTGACCTGG ATGAAGCTTT

 5410 5420 5430 5440 5450 5460
 CTGGGACAAG GAAAGTCAGCT TGAAGTTGA CGGGGGGGCA ACAGGCCATCT ATGTCCTGGCT

 5470 5480 5490 5500 5510 5520
 GAACGGCCAC TTCTGGCT ACAGGGAAAGA CTCTTTACC CCAAGCGAGT TTATGGTTAC

 5530 5540 5550 5560 5570 5580
 CAAGTTCCCTC AAGAAAGAAA ATAACCGCCT GGCAAGTGGCT CTCTACAAGT ATTCTCCGC

 5590 5600 5610 5620 5630 5640
 CTCTCTGGCTG GAAGACCAGG ACTTCTGGCG CATGTCGGT TTGTTTCAGAT CAGTGACTCT

 5650 5660 5670 5680 5690 5700
 TCAGGCCAAG CCGCGTCTGC ACTTGGAGGA CCTTAAGCTT ACGGCCAGCT TGACCGATAA

 5710 5720 5730 5740 5750 5760
 CTACCAAAAAA GGAAAGCTGG AAGTCGAAGC CAATATTGCC TACCGCTTGC CAAATGCCAG

 5770 5780 5790 5800 5810 5820
 CTTTAAGCTG GAAGTGGGG ATAGTGAAGG TGACTTGGTT GCTGAAAAGC TGGGCCAAT

 5830 5840 5850 5860 5870 5880
 CAGAAGCGAG CAGCTGGAAT TCACTCTGGC TGATTGCGCA GTAGCTGCCT GGAGCGCGGA

 5890 5900 5910 5920 5930 5940
 AAAGCCTAAC CTTTACCAAGG TCCGCCCTGTA TTTATACCAAG GCAGGCCAGCC TCTTAGAGGT

 5950 5960 5970 5980 5990 6000
 TAGCCGGCAG GAAGTGGGTT TCCGCAACTT TGAACAAAAA GACGGGATTA TGTACCTTAA

FIG. 6E

APPROVED BY	O.G. FIG.
DRAFTSMAN	CLASS SUBCLASS

6010 6020 6030 6040 6050 6060
 CGGCCAGCGG ATCGTCTTCAGGGGGCAA CGGGCACGAA TTTGACAGTA AGTTGGGTG

 6070 6080 6090 6100 6110 6120
 GGCTATCACG GAAGAGGATA TGATCTGGGA CATCAAGACC ATGAAGCGAA GCAACATCAA

 6130 6140 6150 6160 6170 6180
 TGCTGTCGC TGCTCTCACT ACCCGAACCA GTCCCTCTT TACCGGCTCT GTGACAAGTA

 6190 6200 6210 6220 6230 6240
 CGGCCTTAC GTCATTGATG AAGCTAACCT GGAAAGCCAC GGCACCTGGG AAAAAGTGGG

 6250 6260 6270 6280 6290 6300
 GGGGCACGAA GATCCTAGCT TCAATGTTCC AGGCGATGAC CAGCATTGGC TGGGAGCCAG

 6310 6320 6330 6340 6350 6360
 CTTATCCCGG GTGAAGAACAA TGATGGCTCG GGACAAGAAC CATGCTTCAA TCCTAATCTG

 6370 6380 6390 6400 6410 6420
 GTCCTTAGGC AATGAGTCCT ACGGCGGCAC TGCTTTGCC CAAATGGCTG ATTACGTCCG

 6430 6440 6450 6460 6470 6480
 GAAGGCTGAT CCGACCCGGG TTCAGCACTA TGAAGGGTG ACCCACAACC GGAAGTTTGA

 6490 6500 6510 6520 6530 6540
 CGACGCCACC CAGATTGAAA GCCGGATGTA TGCTCCGGCC AAGGTAATTG AAGAATACTT

 6550 6560 6570 6580 6590 6600
 GACCAATAAA CCAGCCAAGC CATTATCTC AGTTGAATAC GCTCACGCCA TGGGCAACTC

 6610 6620 6630 6640 6650 6660
 CGTCGGTGAC CTGGCCGCCT ACACGGCCCT GGAAAAATAC CCCCACTACC AGGGCGGCTT

 6670 6680 6690 6700 6710 6720
 CATCTGGGAC TGGATTGACC AAGGACTGGA AAAAGACGGG CACCTGCTT ATGGGGCGA

 6730 6740 6750 6760 6770 6780
 CTTCGATGAC CGGCCAACCG ACTATGAATT CTGCGGGAAC GGCTGGTCT TTGCTGACCG

 6790 6800 6810 6820 6830 6840
 GACTGAATCG CCGAAACTGG CTAATGTCAA GGCCCTTAC GCCAACCTTA AGTTAGAAGT

 6850 6860 6870 6880 6890 6900
 AAAAGATGGG CAGCTCTTCC TCAAAAACGA CAATTTATTT ACCAACAGCT CATCTTACTA

 6910 6920 6930 6940 6950 6960
 CTTCCTTACT AGTCCTTGG TCGATGGCAA GTTGACCTAC CAGAGCGGCC CTCTGACCTT

 6970 6980 6990 7000 7010 7020
 TGGCCTGGAG CCTGGCGAAT CGGGGACCTT TGCCCTGCT TGGCCGGAAG TCGCTGATGA

 7030 7040 7050 7060 7070 7080
 AAAAGGGGAG GTCGTCTACC GGGTAACGGC CCACTAAAAA GAAGACTTGC CTTGGCGGA

 7090 7100 7110 7120 7130 7140
 TGAGGGCTTC ACTGTGGCTG AAGCAGAAGA AGTAGCTCAA AAGCTGCCGG AATTAAAGCC

 7150 7160 7170 7180 7190 7200
 GGAAGGGCGG CCAGATTTAG TTGATTCCGA CTACAACCTA GGCCTGAAAG GAAATAACTT

FIG. 6F

APPROVED BY	O.G. FIG. CLASS	SUBCLASS
DRAFTSMAN		

7210 7220 7230 7240 7250 7260
 CCAAATTCTC TTCTCCAAGG TCAAGGGCTG GCGGGTTTCCTCAAGTATG CCGGTAGGGAA

 7270 7280 7290 7300 7310 7320
 ATACTTGAAG CGGCTGCCGG AATTACCTT CTGGCGGGCC CTGACGGACA ACGACCAGGG

 7330 7340 7350 7360 7370 7380
 AGCTGGTTAC GGCTATGATC TGCCCCGGTG GGAAAATGCC GGCAAGTATG CCCGCTTGAA

 7390 7400 7410 7420 7430 7440
 AGACATCAGC TGCGAGGTCA AGGAAGACTC CGTTTGGTC AAGACTGCCT TTACGTTGCC

 7450 7460 7470 7480 7490 7500
 TGTCGCCTTA AAGGGTGATT TAACCGTGAC CTATGAAGTC GATGGACGGG GCAAGATTGC

 7510 7520 7530 7540 7550 7560
 TGTAACAGCT GACTTCCAG GCGCGGAAGA AGCTGGTCTC TTGCCAGCCT TTGGCTTGAA

 7570 7580 7590 7600 7610 7620
 CCTGGCCCTG CCAAAAGAAC TGACCGATTA CCGCTACTAT GGTCTGGGAC CTAATGAGAG

 7630 7640 7650 7660 7670 7680
 CTACCCAGAC CGCTTGGAAAG GTAATTACCT GGGCATCTAC CAGGGAGCGG TAAAAAAAGAA

 7690 7700 7710 7720 7730 7740
 CTTTAGCCCCA TATCGTCCGC AGGAAACGGG CAACCGGAGC AAGGTTGCT GGTACCAGCT

 7750 7760 7770 7780 7790 7800
 CTTTGATGAA AAGGGCGGCT TGGAATTAC GGCAATGGG GCAGACTTGA ACTTGTCTGC

 7810 7820 7830 7840 7850 7860
 TTTGCCATAT TCTGCCGCC AAATTGAAGC AGCGGACCAAC GCTTTGAAC TGACTAACAA

 7870 7880 7890 7900 7910 7920
 TTACACTTGG GTTAGAGCCT TAAGCGCCCCA GATGGGGTCA GGCAGGGATG ACTCCTGGGG

 7930 7940 7950 7960 7970 7980
 GCAGAAGGTC CACCCGGAAT TCTGCCTGGA TGCTAAAAA GCCCGCCAGC TTCGCCTGGT

 7990 8000 8010 8020 8030 8040
 GATTCAAGCCC CTTTACTAA AATAAATGCT ACAATTGACT TAACAGGATG AAATTTAGT

 8050 8060 8070 8080 8090 8100
 AAAAGCAAAAG CGAGTGAGGA AGATGGCAAC GATCAGAGAA GTGCCAAGGC AGCCGGCGTG

 8110 8120 8130 8140 8150 8160
 TCGCTAGOGA CGGTC..... .

FIG. 6G

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

Appl. No.: 09/778,516
Applicant(s): Wei-Yu Lo et al.
LAC SHUTTLE VECTORS

P 19 of 19

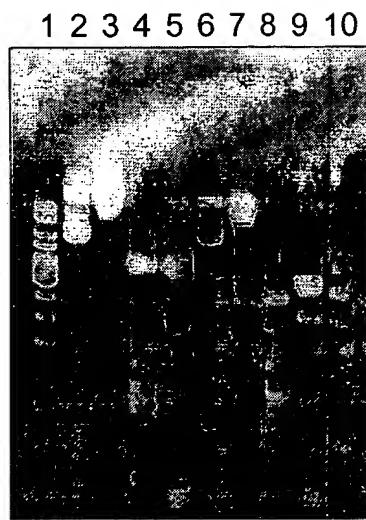


Fig7A

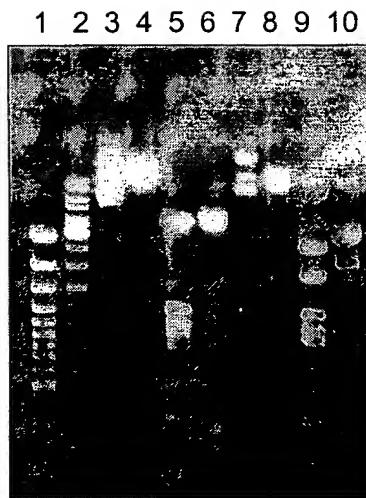


Fig.7B